UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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HARRITY SNYDER, LLP
11350 Random Hills Road
SUITE 600
FAIRFAX, VA 22030

EXAMINER
SOL, ANTHONY M

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/751,539	SIDEBOTTOM ET AL.
	Examiner	Art Unit	
	Anthony Sol	2616	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>06 January 2004</u>.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-32</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-32</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>06 January 2004</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1, 3, 8-14, 20, 22, 25-29, and 32 are rejected under 35 U.S.C. 102(e) as

being anticipated by Pub. No. US 2003/0139174 A1 ("Rao").

Regarding claim 1,

Rao shows in figs. 1, 2, and 9 service activation component 201, 202, 203

offering an extensible set of services 1200, 1300, 1400, 1500 (para. 9, *The CSP system*

advantageously enables a communications system to be quickly offered to market in

conjunction with value-added services through applications rendered by third party

service providers; para. 37, a simplistic change in the module utilizing a dynamically

configurable matrix advantageously allows different percentages to be entered, where

the changed module thereafter will provide the desired result).

Rao further shows a gateway 1600, connected to the service activation

component, and configured to provide access control to the services offered by the

service activation component (para. 85, *For **access control**, the CSP system according*

to the invention allows administration of access rules within a plurality of applications,

and supports multiple user classes or groups, each having access to different

functionalities and data).

Regarding claim 3,

Rao further discloses receiving a message requesting one of the services (para.

57, *The client layer 1100 according to this invention comprises a plurality of client*

devices, which end users use in accessing CSP services).

Rao still further discloses performing access control with regard to the message

and selectively providing the requested service based, at least in part, on a result of the

access control (para. 85, *For access control, the CSP system according to the invention*

allows administration of access rules within a plurality of applications, and supports

multiple user classes or groups, each having access to different functionalities and data;

para. 60, *Personalization services will maintain and provide information for different*

users. Profile services can also be extended to provide services for holding permissible

client preferences. Web page presentation for different end users or client devices can

accordingly be generated based on the personalization information).

Regarding claims 8 and 32,

Rao shows in figs. 1, 2, and 9 service provider system connected to a plurality of

business partner systems 31 associated with a corresponding plurality of business

partners, each of the business partners selling services 1200, 1300, 1400, 1500 of an

extensible set of services provided by the service provider system 210 (para. 9, *The*

CSP system advantageously enables a communications system to be quickly offered to market in conjunction with value-added services through applications rendered by third party service providers; para. 37, a simplistic change in the module utilizing a dynamically configurable matrix advantageously allows different percentages to be entered, where the changed module thereafter will provide the desired result), to its customers 20, 21, the service provider system 210 providing a common interface 1600 via which the business partner systems request one or more services from the extensible set of services, the service provider system 210 exposing subsets of the common interface to each of the business partner systems 31 by controlling access to the extensible set of services by the business partner systems (para. 9, *The CSP system advantageously enables a communications system to be quickly offered to market in conjunction with value-added services through applications rendered by third party service providers; para. 37, a simplistic change in the module utilizing a dynamically configurable matrix advantageously allows different percentages to be entered, where the changed module thereafter will provide the desired result;* para. 85, *For access control, the CSP system according to the invention allows administration of access rules within a plurality of applications, and supports multiple user classes or groups, each having access to different functionalities and data;* para. 85, *For authentication, a user ID or password...will be required for authenticating Internet end users for accessing the common service platform*).

Regarding claims 9, 10, and 11,

Rao discloses that the service activation component includes a plurality of

service activation components 201, 202, 203 and wherein the system further comprises

a SAE locator, *an application profile of application registration service 180*, configured to

obtain information associated with the service activation components (para. 45, *the*

ability to register an application and make it available for user subscription. An

application profile is maintained, acting as an information nexus for applications. The

application profile will include, e.g., application identifiers... The Application registration

service 180 is readily available for end users subscribing to internal applications, third

party applications, or third party application), and wherein the gateway CSP 12 is further

configured to receive a message requesting one of the services (para. 57, *The client*

layer 1100 according to this invention comprises a plurality of client devices, which end

users use in accessing CSP services), and contact the SAE locator to identify one of the

service activation components 201, 202, 203 on which to activate the requested service.

Regarding claims 12, 22, and 27,

Rao discloses for authentication, a user ID or password...will be required for

authenticating Internet end users for accessing the common service platform (para. 85).

Rao further discloses firewall service (para. 85).

Regarding claim 13,

Rao shows in figs. 1 and 9 means for providing an extensible set of network services 1200, 1300, 1400, 1500 of fig. 9 (para. 9, *The CSP system advantageously enables a communications system to be quickly offered to market in conjunction with value-added services through applications rendered by third party service providers; para. 37, a simplistic change in the module utilizing a dynamically configurable matrix advantageously allows different percentages to be entered, where the changed module thereafter will provide the desired result*).

Rao further shows in figs. 1 and 7 means for receiving, from retailers, requests for ones of the network services, Business Value Added Services 740 (para. 35, *Business value-added services 740, such as those with locators, standardized forms (e.g., insurance damage or inventory reports), selected business information, are also communicable with the common service platform (CSP 710) and network 730 to provide business services to corporate end users*).

Rao further shows in figs. 1, 2, and 9 means for providing subsets of a common interface 1600 to different ones of the retailers 201, 202, 203 using access control, the retailers accessing the extensible set of network services via the subsets of the common interface (para 37, *defined, standardized architecture using a plurality of readily available modules and interfaces;* para. 85, *For access control, the CSP system according to the invention allows administration of access rules within a plurality of applications, and supports multiple user classes or groups, each having access to different functionalities and data*).

Regarding claim 14,

Rao discloses providing an extensible set of services (para. 9, *The CSP system advantageously enables a communications system to be quickly offered to market in conjunction with value-added services through applications rendered by third party service providers; para. 37, a simplistic change in the module utilizing a dynamically configurable matrix advantageously allows different percentages to be entered, where the changed module thereafter will provide the desired result*).

Rao further discloses receiving a message requesting one of the services (para. 57, *The client layer 1100 according to this invention comprises a plurality of client devices, which end users use in accessing CSP services*).

Rao still further discloses performing access control with regard to the message and selectively providing the requested service based, at least in part, on a result of the access control (para. 85, *For access control, the CSP system according to the invention allows administration of access rules within a plurality of applications, and supports multiple user classes or groups, each having access to different functionalities and data; para. 60, Personalization services will maintain and provide information for different users. Profile services can also be extended to provide services for holding permissible client preferences. Web page presentation for different end users or client devices can accordingly be generated based on the personalization information*).

Regarding claim 20,

Rao discloses unique identifier and associated information needed for end-user

identification and authentication (Rao, para. 41). The end-use can be a business

partners using business value-added services 740 (para. 35).

Regarding claim 25,

Rao show in figs. 1, 2, and 9 a network wholesaler system connected to a

plurality of retailer systems 201, 202, 203 associated with a corresponding plurality of

retailers, each of the retailers selling services1200, 1300, 1400, 1500 of an extensible

set of services provided by the wholesaler system (para. 9, *The CSP system*

advantageously enables a communications system to be quickly offered to market in

conjunction with value-added services through applications rendered by third party

service providers; para. 37, a simplistic change in the module utilizing a dynamically

configurable matrix advantageously allows different percentages to be entered, where

the changed module thereafter will provide the desired result), to its customers 20, 21,

the wholesaler system providing a common interface 1100 via which the retailer

systems 201, 202, 203 request one or more services 1200, 1300, 1400, 1500 from the

extensible set of services, the wholesaler system exposing subsets of the common

interface 1100 to each of the retailer systems by controlling access to the extensible set

of services by the retailer systems (para. 85, *For **access control**, the CSP system*

according to the invention allows administration of access rules within a plurality of

applications, and supports multiple user classes or groups, each having access to

different functionalities and data).

Regarding claims 26, 28, and 29,

Rao shows in figs. 1, 2, and 9 a service activation component 201, 202, 203 configured to provide the services to the subscribers 20, 21 and a service gateway 1600 configured to act as a single point of contact between the retailer systems 210 and the service activation component 201, 202, 203, the service gateway 1600 providing controlled access, by the retailer systems 210 to the services 1200, 1300, 1400, 1500 provided by the service activation component 201, 202, 203, the service gateway 1600 permitting each of the retailer systems 210 access to a subset of the services 1200, 1300, 1400, 1500 provided by the service activation component via the controlled access (para. 9, *The CSP system advantageously enables a communications system to be quickly offered to market in conjunction with value-added services through applications rendered by third party service providers; para. 37, a simplistic change in the module utilizing a dynamically configurable matrix advantageously allows different percentages to be entered, where the changed module thereafter will provide the desired result; para. 85, For **access control**, the CSP system according to the invention allows administration of access rules within a plurality of applications, and supports multiple user classes or groups, each having access to different functionalities and data*).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   Claims 2 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Rao in view of US 2003/0055968 A1 ("Hochmuth").

Regarding claims 2 and 18,

Rao does not explicitly disclose that the activation component is configured to

configure a router to deliver a service.

Hochmuth discloses reconfiguration may also involve steps such as, but not

limited to, configuring network devices to move a port on which network resource 42 is

connected from one cell to another, configuring a router's access control list (ACL)

and/or other parameters (para. 44).

It would have been *prima facie* obvious to one of ordinary skill in the art at the

time of the invention was made to modify the common service platform and software of

Rao to provide a capability to provide router configuration service as taught by

Hochmuth. One skilled in the art would have been motivated to make the combination

to permit or deny access to network resource 42 through any network connection,

and/or configuring a firewall (Hochmuth, para. 44).

5.   Claim 4-7, 15-17, 19, 21, 23, 24, 30, and 31 are rejected under 35 U.S.C. 103(a)

as being unpatentable over Rao in view of US 2003/0220872 A1 ("Chandrashekhar").

Regarding claims 4-7, 15-17, 19, 21, 23, 24, 30, and 31,

Rao shows in figs. 1 and 9 a first interface module 1100 configured to receive,

from the first entity 30, a message requesting performance of a service by the second

entity 13 (Abstract, *Requests for uses in different communications system are*

transferred to the CSP for conversion into generally the same format that is acceptable

by a selected application; para. 57, *The client layer 1100 according to this invention*

comprises a plurality of client devices, which end users use in accessing CSP

services).

Rao shows in an access control module 1600 configured to determine whether

the first entity 30 is permitted to request performance of the service corresponding to

the service name, determine whether the argument is permissible for an identity of the

first entity, and determine whether the argument is permissible for the service

corresponding to the service name (para. 85, *For access control, the CSP system*

according to the invention allows administration of access rules within a plurality of

applications, and supports multiple user classes or groups, each having access to

different functionalities and data; para. 60, *Personalization services will maintain and*

provide information for different users. Profile services can also be extended to provide

services for holding permissible client preferences. Web page presentation for different

end users or client devices can accordingly be generated based on the personalization

information).

Rao further shows in fig. 9 a second interface module 1200, 1300, 1400, 1500

configured to selectively request performance of the service on the second entity 13

based, at least in part, on results of the determinations of the access control module

1600.

Rao does not disclose that the message explicitly includes a service name and

an argument corresponding to the service.

Chandrashekhar discloses that the EU submits a request for selected

service(s)/applications(s). The information indicative of the requested

services/applications and associated attributes (customization features) are

referred to as an application request (AR). The AR is received by the system

100 at step 62 (para. 31).

It would have been *prima facie* obvious to one of ordinary skill in the art at the

time of the invention was made to modify the common service platform and software of

Rao to provide a capability to provide access based on the message received that

includes service(s)/application(s) and associated attributes as taught by

Chandrashekhar. One skilled in the art would have been motivated to make the

combination since a unique identifier and associated information is needed for end-user

identification and authentication (Rao, para. 41).

Conclusion

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Zhang (US20060112400A1) teaches converged service creation.

Corneille (US20050073982A1) connector gateway.

Lahti (US20030101246A1) teaches identifying and accessing network services.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Anthony Sol whose telephone number is (571) 272-

5949. The examiner can normally be reached on M-F 7:30am - 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

AMS

8/6/2007

HASSAN KIZOU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600